CLAIMS

What is claimed is:

- 1 1. A housing for a variable displacement hydraulic pump having a total of six side
- 2 portions comprised of an open first longitudinal end, a spaced, open second longitudinal
- end, and four adjoining radial sides connecting said longitudinal ends, and a porting
- 4 system with four case drains such that an orifice for each of said case drains is located in
- 5 the vicinity of the top surface of said housing when any one of said six sides is so
- 6 spatially positioned that it occupies an upwardly directed generally horizontal surface
- 7 position.
- 1 2. The housing as in claim 1 wherein said variable displacement pump is of a light
- 2 duty variety.
- 1 3. A housing for a variable displacement hydraulic pump having multiple external
- 2 surfaces, with at least one case drain orifice in at least two differing ones of said external
- 3 surfaces.
- 1 4. The housing as in claim 3 wherein said pump is a light duty pump.
- 5. The housing as in claim 4 wherein one of said case drain orifices is located in an
- 2 upwardly-directed generally horizontal surface position, regardless of the spatial
- 3 orientation of said housing.
- 1 6. The housing as in claim 4 wherein one of said case drain orifices is located at an
- 2 upper-most section of said housing in any spatial orientation of said housing.

- The housing as in claim 4 wherein one of said at case drain orifices is located at
- the front-most section of said housing in any spatial orientation of said housing.
- 1 8. The housing as in claim 4 wherein one of said case drain orifices is located at the
- 2 rear-most section of said housing in any spatial orientation of said housing.
- 1 9. The housing as in claim 4 wherein one of said case drain orifices is located at the
- bottom-most section of said housing in any spatial orientation of said housing.
- 1 10. A light duty, variable displacement hydraulic pump having a multi-sided surface
- 2 housing and an attached endcap wherein said housing has at least one case drain orifice in
- differing ones of at least three housing surfaces, said orifices being located near an upper-
- 4 most surface of said pump in any spatial orientation of said pump.
- 1 11. In a variable displacement hydraulic pump having a housing with a multiplicity of
- 2 interconnected surfaces, including opposed end surfaces and intermediate side surfaces,
- 3 the improvement comprising the location of at least one case drain orifice in each of a
- 4 plurality of differing ones of said surfaces in a manner such that at least one of said
- orifices is located in the vicinity of the top surface of said housing in any spatial
- 6 orientation of said housing.
- 1 12. The improved housing of claim 11, wherein said variable displacement hydraulic
- 2 pump is of a light duty variety.

1

- 13. The improved housing of claim 11, wherein said housing includes two end
- 2 surfaces and a plurality of intermediate side surfaces.

- 1 14. The improved housing of claim 12, wherein said case drain orifices are located
- 2 within at least some of said plurality of intermediate side surfaces.
- 1 15. The improved housing of claim 13 wherein said at least some of said plurality of
- 2 intermediate side surfaces is no less than three.